

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A corrugated fin feeding apparatus for feeding corrugated fins to a temporary assembling device of a heat exchanger core which alternately arranges tubes and corrugated fins for a heat exchanger to temporarily assemble the heat exchanger core, the corrugated fin feeding apparatus comprising:

a cutting device which cuts a continuous fin material in corrugated form without stopping conveyance of the fin material toward a downstream side thereof to thereby produce corrugated fins having a predetermined length; and

a conveying device which adds a force, **which is caused by increasing a speed difference between a conveying speed of said conveying device relative to a conveying speed of the corrugated fins being cut by said cutting device**, to the corrugated fins ~~being cut to increase a speed thereof cut by said cutting device~~ to separate the adjacent corrugated fins from each other to thereby convey the corrugated fins at predetermined intervals.

2. (Original) The corrugated fin feeding apparatus according to claim 1 further comprising:

a forcible conveying device which adds a driving force to the corrugated fins being conveyed to push out the corrugated fins toward a downstream side thereof and distributes the corrugated fins in predetermined directions;

an accumulating device having a plurality of accumulating rooms into which the corrugated fins are distributed and accommodated respectively;

an inserting device which feeds a predetermined number of the corrugated fins simultaneously to the temporary assembling device of the heat exchanger core when the

predetermined number of the corrugated fins are accommodated into the accumulating rooms;
and

a control device which synchronously controls said forcible conveying device, said accumulating device, and said inserting device based on positions of the corrugated fins determined by said conveying device.

3. (Previously Presented) The corrugated fin feeding apparatus according to claim 1,

wherein said conveying device comprises:

a belt conveyor which has a belt to convey the corrugated fins; and
position determining portions provided at predetermined intervals on the belt of said belt conveyor,

wherein the corrugated fins are arranged between said position determining portions to determine positions of the corrugated fins to thereby convey the corrugated fins at predetermined intervals.

4. (Currently Amended) The corrugated fin feeding apparatus according to claim 1,

wherein said accumulating device comprises:

a rotating shaft; and
a plurality of ~~said~~ accumulating rooms provided in parallel to an axial direction of said rotating shaft,

wherein the corrugated fins are accommodated while said plural of accumulating rooms are rotated in a circumferential direction of said rotating shaft, and an ~~said~~ inserting device feeds after the rotation thereof the corrugated fins to the temporary assembling device of the heat exchanger core.

5. (Withdrawn – Currently Amended) A corrugated fin feeding method for feeding corrugated fins to a temporary assembling device of a heat exchanger core which alternately arranges tubes and corrugated fins to temporarily assemble the heat exchanger core, the corrugated fin feeding method comprising:

a cutting step of cutting a continuous fin material in corrugated form without stopping conveyance of the fin material toward a conveying direction thereof to thereby produce corrugated fins having a predetermined length; and

a conveying step of adding a force, which is caused by increasing a speed difference between a conveying speed of a conveying device relative to a conveying speed of the corrugated fins being cut during the cutting step to the corrugated fins ~~being cut to increase a speed thereof cut by said cutting device~~ to separate the adjacent corrugated fins from each other, determining front and rear positions of the corrugated fins, and conveying the corrugated fins.

6. (Withdrawn) The corrugated fin feeding method according to claim 5, further comprising:

a forcibly conveying step of adding a driving force to the corrugated fins being conveyed to push out the corrugated fins toward a downstream side thereof and distributing the corrugated fins in predetermined directions;

an accumulating step of accommodating the corrugated fins being distributed into a plurality of accumulating rooms; and

an inserting step of feeding the corrugated fins to the temporary assembling device of the heat exchanger core when a predetermined number of the corrugated fins is accumulated into the accumulating rooms.

7. (Previously Presented) The corrugated fin feeding apparatus according to claim 2,

wherein said conveying device comprises:

a belt conveyor which has a belt to convey the corrugated fins; and
position determining portions provided at predetermined intervals on the belt
of said belt conveyor,

wherein the corrugated fins are arranged between said position determining portions
to determine positions of the corrugated fins to thereby convey the corrugated fins at
predetermined intervals.

8. (Currently Amended) The corrugated fin feeding apparatus according to
claim 2,

wherein said accumulating device comprises:

a rotating shaft; and

a plurality of said accumulating rooms provided in parallel to an axial
direction of said rotating shaft,

wherein the corrugated fins are accommodated while said plural of accumulating
rooms are rotated in a circumferential direction of said rotating shaft, and said inserting
device feeds after the rotation thereof the corrugated fins to the temporary assembling device
of the heat exchanger core.

9. (Currently Amended) The corrugated fin feeding apparatus according to
claim 3,

wherein said accumulating device comprises:

a rotating shaft; and

a plurality of ~~said~~ accumulating rooms provided in parallel to an axial
direction of said rotating shaft,

wherein the corrugated fins are accommodated while said plural of accumulating
rooms are rotated in a circumferential direction of said rotating shaft, and an ~~said~~ inserting

device feeds after the rotation thereof the corrugated fins to the temporary assembling device of the heat exchanger core.